SEQUENCE LISTING

<110> INCYTE GENOMICS, INC.
Hodgson, David M.
Lincoln, Stephen E.
Russo, Frank D.
Spiro, Peter A.
Banville, Steven C.
Bratcher, Shawn R.
Dufour, Gerard E.
Cohen, Howard J.
Rosen, Bruce H.
Chalup, Michael S.
Hillman, Jennifer L.
Jones, Anissa L.
Yu, Jimmy Y.
Greenawalt, Lila B.
Panzer, Scott R.
Roseberry, Ann M.
Wright, Rachel J.
Daniels, Susan E.

<120> MOLECULES FOR DISEASE DETECTION AND TREATMENT

<130> PT-1042 PCT

<140> To Be Assigned

<141> Herewith

<150> US 60/137,412; 60/147,500; 60/147,501; 60/147,542
<151> 1999-06-03; 1999-08-05; 1999-08-05; 1999-08-05

<160> 14

<170> PERL Program

<210> 1
<211> 3101
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 222197.6

<220>
<221> unsure
<222> 3077, 3084, 3093, 3097-3098
<223> a, t, c, g, or other

<400> 1
agtgattgca tgagcttagg gaggggagtg acatgatctg atttacgtct gtggaagacc 60

actctgggtg ctgcatgggg gactggactg ttgggtgagc agaggcatga gagtagagag 120
aggactggtc agcaggtgat ctaagcactc cccagatccg atcacatagg acagtatgca 180
ccttaagatc ctgaagaaac ggcacaaaat gttcaagtga tgtttagaaa taacttgtga 240
gggtgcgtca gggaaatcat gcagccatca ggacacaggc tccgggacgt cgagcatcat 300
cctctcctgg ctgaaaatga caactatgac tcttcatcgt cctcctcctc cgaggctgac 360
gtggctgacc gggtctggtt catccgtgac ggctgcggca tgatctgtgc tgtcatgacg 420
tggcttctgg tcgcctatgc agacttcgtg gtgactttcg tcatgctgct gccttccaaa 480
gacttctggt actctgtggt caacggggtc atctttaact gcttggccgt gcttgccctg 540
tcatcccacc tgagaaccat gctcaccgac cctggggcag tacccaaagg aaacgctacg 600
aaagaataca tggagagctt gcagctgaag cccggggaag tcatctacaa gtgccccaag 660
tgctgctgta ttaaacccga gcgcgcccac cactgcagta tttgcaaaag atgtattcgg 720
aaaatggatc atcactgccc gtgggtgaac aattgtgtag gagaaaagaa tcaaagattt 780
tttgtgctct tcactatgta tatagctctg tcttcagtcc atgctctgat cctttgtgga 840
tttcagttca tctcctgtgt ccgagggcag tggactgaat gcagtgattt ttcacctccg 900
ataactgtaa tcctgttgat cttcctgtgc cttgagggtc ttctgttttt cactttcact 960
gcagttatgt ttggcaccca aatccactcc atatgcaacg acgagacgga gatcgagcga 1020
ttgaaaagtg agaagcccac atgggagcgg aggctgcgat gggaagggat gaagtccgtc 1080
tttggggggc ccccctcact cctctggatg aatccctttg tgggcttccg atttaggcga 1140
ctgcccacga gacccagaaa aggtggcccg gagttctcag tgtgaggcgt ggctcatcag 1200
actgaaactt gctcacagac ttccagttat ttatttgggg tctgaaggat atcaacagct 1260
catctgtgac caacagggca actggaacct acacaaacca attgcttgca gcaagcagag 1320
ttttatatat ttatagtcac agatggcaga ggaagaggct ctcagtcccc acctgtacaa 1380
caacggaaag gtgtgtggcc acacgaagaa gccaaacgcc gtggcctcct gcagagctgg 1440
ggcttctgtg gagaatactt cgggttatta catgggttat tcaaatcctg ggtcctgagc 1500
tgctgtttcc aatcatgaag aaaaacagtg aatccagtga acagggattc tccaagcagt 1560
catttcaggg ggctcctgct gaccccgcca ctcagcagtg cactccccgg atcacagcag 1620
ggcgtttaca tagaaagacg ttttggtctc gattagctcc gatgctttgc gctgaagttg 1680
caaaagatct gtgcactgaa cagtgaaggt ggcttccggc acactccccg ctgccccgga 1740
agagacatcc tttgaccctc tcagcaagtc tgtgtgtgtg cgtgtctgtg cgtgtgcgcg 1800
cgtgtgtgca tgtgtgtcaa aattgccagt gttgtttagg caatgtaaca tttaccggct 1860
gtgtacagca aacaagctat tttttagaaa ccgacgtttc agggaagagg ggagagagcc 1920
gcggggtcct gcccgtggtt actatgaatg tattgctgtt ggaggacatc tcgatccaaa 1980
gaacagccgt tcctgtgcgg cccttcgttg ccctcctgct ttcatttttt aaagaaatct 2040
tgagtgcttg agggccttgg aactgatttt ttttttttg ttccagccaa attagcagtg 2100
tataaatggc acctaggtaa gagcagagct gcggctcggt gacttgatac ttggggcagc 2160
cccgatgctg tgtgtggggc aggggaggca tccttactgg agaggcaggg cccagccatt 2220
gggcacctct gggaagggga ggggaccatg aggcagccag cccctggcag gggcgactgt 2280
gccaccgcag gcagcgctcc agtccgggaa tggccaggat ggcgccctct tgttggagtt 2340
tttggttagc ttttacgttt tcttctccac ccacggcaca ggtgataaaa taggatcctt 2400
ggtgcggact ttaaaattat gccagaaagc caacagctcc cctcgtgggg ccttgcctta 2460
aacttgcctg gtttgtacat tttttgccgg acgcatcaag aagcaatctg tgacaaagtc 2520
tgagggtctt cctttatgct tgccctccac actaagagaa gttggcgtct ccctcctggg 2580
aattgttttg cctttctgtt catctgtgaa ctgtttttg tttttaatta ctctgtaccc 2640
catccgaatc agggcttcta ccactgctga tgcaaaacca caaagggacc tacctgagcc 2700
accgtcctag ccaagcgagc aaacctgcag ggggtttgga agtggacttg gtcaccgcag 2760
aagcgtgtgc gccgttgggg gaagagctgc gtcacagcca gagggacaaa gtgtgggtga 2820
tcctggagac gccagtttcc gagattgttc tgcatattca tttgcacatt gttgtctggg 2880
ttggacatgc gtgtgggctt cagtgtgagg cttttaatat gtatatcctg ttatcaataa 2940
aacaattatc caagtggttg aatcctgtga gacttggcaa gtgtgtgcaa atcaagtata 3000
cttgactttt caacctcttc tttcaatgta acttttatat gaaataaagt aatcaattaa 3060
cagttctcaa aaaaaanaaa gggnggccgc cgnctannga g 3101

<210> 2
<211> 2561
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 227709.3

<220>
<221> unsure
<222> 126, 2144
<223> a, t, c, g, or other

<400> 2
gcgggcgcgt cgccctctgc ccccgccggc accctggcca tgacaggcaa gtcggtgaag 60
gacgtggatc ggtaccaggc tgtcctggcc aaccctgctgc tggaggagga taacaagttt 120
tgtgcngatt gccagtctaa agggccgcga tgggcctctt ggaacattgg tgtgttcatc 180
tgcattcgat gtgctggaat ccacaggaat ctgggggtgc acatatccag ggtaaagtca 240
gttaacctcg accagtggac tcaagaacag attcagtgca tgcaagagat gggaaatgga 300
aaggcaaacc gactttatga agcctatctt cctgagacct ttcggcgacc tcagatagac 360
ccagctgttg aaggatttat tcgagacaaa tatgagaaga agaaatacat ggaccgaagt 420
ctggacatca atgcctttag gaaagaaaaa gatgacaagt ggaaaagagg gagcgaacca 480
gttccagaaa aaaaattgga acctgttgtt tttgagaagg tgaaaatgcc acagaaaaaa 540
gaagacccac agctacctcg gaaaagctcc ccgaaatcca cagcgcctgt catggatttg 600
ttgggccttg atgctcctgt ggcctgctcc attgcaaata gtaagaccag caatacccta 660
gagaaggatt tagatctgtt ggcctctgtt ccatcccctt cttcttcggg ttccagaaag 720
gttgtaggtt ccatgccaac tgcagggagt gccggctctg ttcctgaaaa tctgaacctg 780
tttccggagc cagggagcaa atcagaagaa ataggcaaga aacagctctc taaagactcc 840
attctttcac tgtatggatc ccagacgcct caaatgccta ctcaagcaat gttcatggct 900
cccgctcaga tggcatatcc cacagcctac cccagcttcc ccggggttac acctcctaac 960
agcataatgg ggagcatgat gcctccacca gtaggcatgg ttgctcagcc aggagcttct 1020
gggatggttg cccccatggc catgcctgca ggctatatgg gtggcatgca ggcatcaatg 1080
atgggtgtgc cgaatggaat gatgaccacc cagcaggctg gctacatggc aggcatggca 1140
gctatgcccc agactgtgta tggggtccag ccagctcagc agctgcaatg gaaccttact 1200
cagatgaccc agcagatggc tgggatgaac ttctatggag ccaatggcat gatgaactat 1260
ggacagtcaa tgagtggcgg aaatggacag gcagcaaatc agactctcag tcctcagatg 1320
tggaaataaa aacaaaacac ctgtatggct gccattctct tcagccctgc gctctccct 1380
ttccacagcc tccacccctg acccccatcc tcttttccta cctctctgtt tggtttagaa 1440
attgctcaat aagtcatttg gggtttggca tcctgcccag ccacttccca aacatgaaga 1500
cctctctgtt gctttatgtt gtacatgccc catagccatc ccaacgtcct ccccagtcct 1560
ctcctggcac cagcacctta gaagttgttg gcagaaggca cttaaactgt gggagaagtg 1620
tgcacacctt tgagtccctt ccctcaaggt taaagctcct gtcagactct cagaagggtc 1680
tgtgggtgtt gtatattagg caaacagggg aaagcttaga ggtccttcta tatgtgttaa 1740
taagctgttt ctaagtgttt aaatttgaaa agcatcatgt tctcatgatt tatgggaatg 1800
aagcaagtac tgaaatcaaa ttaaatactc cctgggtcct gggtcagttt gaccctagcc 1860
ctggggtgag gcaagccccc tcctatgagg atgagcaaaa atactactct cttcgccctg 1920
agttgctttc tggatctggg gcttcaggac ttgctgcttc agtcagcctt tattagcacc 1980
aaagacttta tgaagatccc acacacagac acacatccct tcccgcctcc cccctgcctt 2040
cagtaggatc tggctccgtg gctggaggac caacccctat agtgggaatg cagagcttaa 2100
cgtgtactgc ttgtgtgtgt gcgtgaagtg tgtgtgtgtg taanaagtgt gtgttccgcc 2160
tcccaccctc tccccatctg ctctgggtat ttttgttttt gtttagtttt aggtttacaa 2220
cagagaggaa ttaatttatc agcagcctaa aactgttgtg ttttttcttat ggtttaaaaa 2280
acgccatgtc attgataact ccctttctcc cttcccttct cccggtctgc tgatcactct 2340
ttcatgcctg tgtatccagg gtgctctgtt tccccaccgt tcccaggtgt acgaggcaga 2400
gggccgggac agctttcctc tcagtcattg ttcaccccac ttgaaaattc agacaagaaa 2460
actttgctta aaagatttca tgtgtgggaa ccacagttcc tggctgcctt tctcctgtgt 2520
atgtgtaaat tccttaataa atattgcagg gaaggactgt t 2561

<210> 3
<211> 2710
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 237703.2

<220>
<221> unsure

<222> 712, 799, 2332, 2334, 2342, 2470, 2611, 2682
<223> a, t, c, g, or other

<400> 3
caggtacctt attacattat tttatttaat catcatgtat ccctataagt aatattcttc 60
tcttttatag agtaagaaat tgagattcag gaatattaat ttgcccagga tcatcgaagt 120
ggaatgaaca tcaaaagcct attccctctg cttggccact tccacctcat tttactaagt 180
ttccccatgt ctgtgttagt aaactaataa ctaaaagggt ctcgcatttt aaatagcttt 240
ttaacccaag agcatgccac atttaaccag aggcccatag aacaaactga aaattacaac 300
ctaaaaggtt gttttctaagg ttgtattgag aaggaattga gctcttgaat ccctagaatt 360
ccttattaat actttattct tctgttaaaa gttttatttt taaaagtttc atacagtgtg 420
tatattggtg tgataatcct acagaaaaat caagcagtta tgttttcttc acagataaca 480
cataaaatat taaacagaaa gcctatgtta ttcattggac tgaagctttt atgcaataaa 540
ccttagttgg accaggagta aatgtatggt ttgatattca gagaatctca ttcttagaag 600
caacaaagtg tagttaacac taacttgttc attcttaaat cagtagtcct ctcctcccca 660
aaaagagatc ttaaattatt ttcatttaaa gtcatctact aacaagtaag tntttattca 720
acttaattaa atctaacacc acaagacaat tttgttttag ttattgtttt ggtttgagtt 780
gagttgaaag atttctttnt tttcttctca gcttaccaca gtgcggagac tgctttctga 840
aaaggccact cacgtgaaca ctagggatga agatgagtat acccctcttc atcgagcagc 900
ctacagtgga cacttagata ttgttcagga gctcattgca caggggccg atgttcatgc 960
agtgactgtg gatggctgga cgcccctgca cagtgcttgt aagtggaata atcccagagt 1020
ggcttctttc ttactgcagc atgatgcaga tatcaatgcc caaacaaaag gcctcttgac 1080
ccccttgcat cttgctgctg ggaacagaga cagcaaggat accctagaac tcctcctgat 1140
gaaccgttac gtcaaaccag ggctgaaaaa caacttggaa gaaactgcat ttgatattgc 1200
caggaggaca agtatctatc actacctctt tgaaattgtg gaaggctgta caaattcttc 1260
acctcagtct taacaattct agtaattttc ctaagtttct aaataccagt gcctcctgtg 1320
tgtgagatgt attcccataa tcaaagttga cgtcaaacat cttactacaa aaattcagtg 1380
acattcatta taacattctt ccaagtgaat tgcctgactt tgatgtcaaa atgtatttga 1440
aagtaatttg catatatctt taattatttc tgtggagttt gtgatttttt tatcagaaat 1500
aattttaatg tgtgtatact taaaaacttg acacgggttg tacagaaact ggtatttttg 1560
gtgctgatac aagagaaatg tatttttaaa tatcccacat cctggatctt tgttgggtat 1620
ttagtatatt gacatatatt tttataaggt gaggtaactc agaacttaat ttaaaagtct 1680
taaatattct gatacaattc agctgtcttc tctaccttac catagccagt tgctttcatt 1740
ttaaaccaga gcaagtaaca tattagtgac ttgaatcttc ataagttaaa gtaaaaaaca 1800
gcaaaaaacc tagatctttg tcttttagaa cacagaccat tttcaggaaa gcagttagct 1860
aagtgtttaa ttcatgaata ttgtatactg catcccctac cacaatttac acaatcctgt 1920
ggatagtcct acctcaccct ggtcaaccta catgatcctt aagctaatgg cgaatcacga 1980
tgaccttgta gacatgcaca caactatacc tttgtccaac agatcataat atatctgcta 2040
tccaactggt tttacctgcc taatcctact gatttgggca ctgcttgtat agtctctcaa 2100
gttcacagga aatgttgatt ttctaaggtc ctcatttta cagagtatac aggcaaagtg 2160
acaggggaaa aggaattagt ctaagagtaa ggggatgatt attatattga ggctaaaacc 2220
acaaagtggc tcaggcttta aaaaaaaaac actgtggata atgacaaaaa gcataagtaa 2280
aaatatttga gaaaaataaa gtacaagttt tgaacaacac aaaaggcatg antncatttt 2340
tnacctgtgt atgtctttct tggatccaga acattattca tccagcacgc acttagttat 2400
ttaacatcta ctcactcagt ctctccagca gcaatttttg cattgtctat ctagcccctt 2460
tgtgattgtn cccaaagttt tgtcttctca acaccacaac actccagggg aagggaacta 2520
aaccagttgc tctttacttc agttaaattt ttaagatgtc caccaaggct tatctctttc 2580
aagccatcct acgtaaccca gtcaccctag nctaagtaat aatgttattt aatcaaaggt 2640
taaatattta tttttgctta gaacttatta gatcatctca gnaaaagtca gaggtaatat 2700
ttgggcctgg 2710

<210> 4
<211> 2059
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 240091.1

<220>

<221> unsure
<222> 1850
<223> a, t, c, g, or other

<400> 4
cgcgctccgg acctggcagg cggcggctgc agggcaggtc caggggccac atggctgagg 60
gggacgcagg gagcgaccag aggcagaatg aggaaattga agcaatggca gccatttatg 120
gcgaggagtg gtgtgtcatt gatgactgtg ccaaaatatt ttgtattaga attagcgacg 180
atatagatga ccccaaatgg acactttgct tgcaggtgat gctgccgaat gaatacccag 240
gtacagctcc acctatctac cagttgaatg ctccttggct taaagggcaa gaacgtgcgg 300
atttatcaaa tagccttgag gaaatatata ttcagaatat cggtgaaagt attctttacc 360
tgtgggtgga gaaaataaga gatgttctta tacaaaaatc tcagatgaca gaaccaggcc 420
cagatgtaaa gaagaaaact gaagaggaag atgttgaatg tgaagatgat ctcattttag 480
catgtcagcc ggaaagttcg gttaaagcat tggattttga tatcagtgaa actcggacag 540
aagtagaagt agaagaatta cctccgattg atcatggcat tcctattaca gaccgaagaa 600
gtacttttca ggcacacttg gctccagtgg tttgtcccaa acaggtgaaa atggttcttt 660
ccaaattgta tgagaataag aaaatagcta gtgccaccca caacatctat gcctacagaa 720
tatattgtga ggataaacag accttcttac aggattgtga ggatgatggg gaaacagcag 780
ctggtgggcg tcttcttcat ctcatggaga ttttgaatgt gaagaatgtc atggtggtag 840
tatcacgctg gtatggaggg attctgctag gaccagatcg ctttaaacat atcaacaact 900
gtgccagaaa catactagtg gaaaagaact acacaaattc acctgaggag tcatctaagg 960
ctttgggaaa gaacaaaaaa gtaagaaaag acaagaagag gaatgaacat taatacctga 1020
aactatagga aaggttaatt tgcctataat tatatataca ttccatagtc atcaaggaat 1080
atattgtgca gagagagtat ccttgactgc ttaagtcagc cagttcagca tggataccaa 1140
cattagcttt tcttcttggt tatatcatct gccaaaaata gagaacttat gatctattca 1200
tgtgtgtttc aggcttattt gggagaacta atttgaactt aatcaccact tcatctaatt 1260
ttagcaaggt aacagttgcc cagggcagta cctgaattaa ctgtccattt cagtacatgt 1320
caagtgcctt tgttaggtgg agaagaaatg tctctagagg aatataaata cctgatttct 1380
tgtcatcgag attcttgtac tgttaaatga atattgcctt ttactgctct ttatggctta 1440
ttggaatagg agctcattta agattgatct tggagagttt cttcttgtga ttttagttca 1500
taagtatgtc acctttcatt ttatagtgtt catcattgag taatggatta agtgaaaatc 1560
caggagtatc catctgcagt tatgtgctga ggtgataatt catccaacat atttgttagc 1620
ataaatatta tgcttcagtt tctgttgcaa attggtgatt gtgaaattac agaaagtgat 1680
tttctagtct gctttttttg tttaattctt gtaatgtaag caataaatat ggagtgtcag 1740
tagtctcctt ccaccccaga aatgtgttgg tgtaacattc tcgtttcttt taacaacctg 1800
ggaagtacct ttcttgtgat cttcactgag gaattagaac tatgatagan gttaggctgt 1860
ggcaaatggg acattcgtag agtgggatag aggtggcaga atgaacctgg tgtagggcag 1920
gagtatgttg tgtagtacat caatttgatg catgctttcc atctgcactc cagacggctt 1980
tctcagttcc aagattttgc agagagaagg agcaaacctt ttcattggaa aaacagaaac 2040
aacctcccc cccatttttt 2059

<210> 5
<211> 3705
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 243096.6

<220>
<221> unsure
<222> 13-14, 2121
<223> a, t, c, g, or other

<400> 5
cgcagtgccg gannccgcag cgccggaacc tcagaggcgg gtcgcagcgg cgcagaggag 60
gtcagctgcg ggagcgtttc cggggacggt gccgccatga gattgacccc gcgcgcgctg 120
tgcagcgccg cccaggccgc ctggcgggag aacttccccc tgtgcggtcg cgacgtggcg 180
cgctggttcc cgggccacat ggccaagggg ctgaagaaga tgcagagcag cctgaagctg 240
gtggactgta tcatcgaggt ccacgatgcc cggatcccac tttcaggccg caacccctctg 300

tttcaggaaa cccttgggct taagcctcac ttgctggtcc tcaacaagat ggacttggcg 360
gatcttacag agcagcagaa aattatgcaa cacttagaag gagaaggcct aaaaaatgtc 420
atttttacca actgtgtaaa ggatgaaaat gtcaagcaga tcatcccgat ggtcactgaa 480
ctgattggga gaagccaccg ctaccaccga aaagagaacc tggagtactg tatcatggtc 540
attggggtcc ccaacgtggg caagtcctcc ctcatcaact ccctccggag gcagcacctc 600
aggaaaggga aagccaccag ggtgggtggc gagcctggga tcaccagagc tgtgatgtcc 660
aaaattcagg tctctgagcg gcccctgatg ttcctgttgg acactcctgg cgtgctggct 720
cctcggattg aaagtgtgga gacaggcctg aagctggccc tgtgtggaac ggtgctggac 780
cacctggtcg gggaggagac catggctgac tacctgctgt acaccctcaa caaacaccag 840
cgctttgggt acgtgcagca ctacggcctg ggcagtgcct gtgacaacgt agagcgcgtg 900
ctgaagagtg tggctgtgaa gctggggaag acgcagaagg tgaaggtgct cacgggcacg 960
ggtaacgtga acgttattca gcctaactat cctgcggcag cccgtgactt cctgcagact 1020
ttccgccgtg ggctgctggg ttccgtgatg ctggacctcg acgtcctgcg gggccacccc 1080
ccggctgaga ctttgccctg aacttgtccg ggtagggagg gccggaggca tgtggcctcc 1140
cagacctcct gacctgggtg gttgaggctc aagacagctc acccggtcca gaagctccat 1200
gctggtcact agggtgctgt gctctctggc gccccacagc ctggccagct ccagggaccc 1260
cagttgcagg gcccaagcag gtgggagtgg acaccaggct tcccagtgga cgtccctgag 1320
cagctccgca tgcttggttc tccggagct tcctgctcag gcctcttgag aaatggatgc 1380
tgtctcagaa ggagttaaag ctataacctg taacctttaa aatctccagt taaagggcct 1440
gtttcttact ggcctgtgag gtgcaccgta gtgccttggg cctgtgtgtt aaagctgctc 1500
tcaccagtgg aacctaagaa atgagcaggt tggcagctag ggtttgtgtt ggaggctttc 1560
ggtccagtgt cttgcagtcc tacaacaagt gagaggcttg ctgccatcag agaggtttat 1620
ttcacactta caggcacaca cagacacaga ccagagactc ccagcagcag agcccaagca 1680
ctggcttcgc ccctcagtgc cctggggcat gttcagggca gggttgaggg ggacgccctg 1740
cacatggctt tgctgtgcaa tgactggaag gccgcccggc atgggcagta gagacccctg 1800
gcctctgagc accttctagc tcactggtag tgggattctg cattagtggg gctgagagat 1860
gtgggggccc ctccagcccc attatagtgc acctgaaggg gtccacagcc tgtgtcctag 1920
aagagggaag aggaaggaag gtgggtgggg ctggtagtat ggactaaggt gctgcaggac 1980
ctggggccag ggacatcctg tgcagaagct ccggctgcct ctttgcggtg gtggcctgac 2040
cgtcccacag cagcctccac cagggccctg gtgctcagtg gcccctcttt gctggctggc 2100
tgcctctgct gccccatacc ncacacactc atcagcctga agttagcccc tgagtgccac 2160
ctgcatcgtg ccataaccct gaccgcctgg ggcaggaagt attcaggttg gctgtgtcag 2220
atgctaatgt gctgaatcaa cagtcattgc agatcacgaa gtgtccatca taactggaac 2280
attccatcag cttgcagtgc tgtggtgtgt gagggtctgg tgcagctcag cccatttcc 2340
aggtgggcat ctgcaaagtt gaggggctc cggtgggtct ctctgctgtg aggagactca 2400
gaccaccccc tgcctcctgg gggaaatgtc agaagggctt ctctgcctat gaggatctgg 2460
ggcagggctt ggccttggcc tgctggtctt ggaggcgttg agcttggtct ggaaggggtg 2520
gaggagcgtc tgggctcact gggccagggg cattgctggc agtgtggacg ggaggctgca 2580
gggcgctgcc tcctgtggct tagtgccctg gagctagaga gcagtgcttg gttgagtcct 2640
gccaacagct tccagatcct cacccaggcc agaacccagg ccagctgggg aaggcagagg 2700
ctggcagggc ccgtggtggg tgctggtctt gactttggtg tccactgagt cccgaggctc 2760
aggcccagga gggatgcagt ccggctgagg gcgaggctgt caccaggaca tggagagggt 2820
gagatcccaa ggccacgggg gggggggcag ggagaacccc tcctaccctg gatgagtggg 2880
tgactggaga gctagagaac gtggcagacc caagacctct cagtgctgag cccatggagg 2940
atgccccagg ctggcgggac tgggaagcag agggctggtc ttaacacagg tgtgtccagt 3000
gctggaggca agtccttgtc gtgactgtcc agcgccactc catgtctctc ctgtccttgg 3060
atgttggggg gctcagcctc ttgcatgggt gtcctgctgg gcgctgggcc ccgccactgg 3120
ccccctgctt gctttggggt ctgagttagc tcctggctcc actgagcagg ccgtcagctg 3180
ccagcccacc acgcggatac ccaggccctg ttccgaggcc tggaacagct gcttccgaag 3240
aaggggctgc cttcagggaa atgcgtgcac cgtgcagcct gtgctgtgcc cagggaggcc 3300
tcttcagcgg gattggcagt tgctgtgccc tgagaacagg cagaactgtg tgatccctga 3360
atgtgaacct gaagttcaaa ggacttggaa agctctggaa tgtgttggtt tttccccccc 3420
aaaatgggtc ctaaggaggg taaagtgact tgtttcaagt tgttggagca aagtgggtct 3480
ctcacggatc tcggcctgag ggtgtggggg agaaggcctg gacagcccct cagggcaggg 3540
tgtgttttcc caccagccgc agagagccag gatggacgtt cctcggacgg acggttttcc 3600
tgcttgggaa tgttcctggg ctgtgagatc cactcttctg ggcaggtggt tagcacctaa 3660
cgtttttccc tcacttcccc ccaaattctt aagtcctttg gtcca 3705

<210> 6
<211> 3644
<212> DNA

PT-1042 PCT

<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 244366.6

<400> 6
gttttccacc tgcaaccatt tgcatgtgta cagcctactg tttgtctcca gtttttaaac 60
tgtacaagtt gtgtttctta atcttccctt ctgccttgtt ctggggaggt ggttattcat 120
catttggaat caccttttcc cctcccatgt gctttccttc atttgagatc ttttgacctt 180
tggctttatt tgggaggggg aagggtgata aagttttctg tttccctggt tttcttttgt 240
actcctctct gttgcttccc tcttcccatt ttcttgtctg ttctgccgct gtgtgggcct 300
gggctatgcg gcagggcaga tttcccatca gagctccaac atgcccgcag agtctggaaa 360
gagattcaaa cccagcaagt atgtcccggt ctctgcagcc gccatcttcc tagtgggagc 420
tacgacactc ttctttgcct ttacgtgtcc aggactaagc ctgtatgtgt cacctgcagt 480
gcccatctac aatgcaatta tgtttctctt tgtgttggcc aacttcagca tggccacctt 540
catggaccca gggatttcc ctcgagctga ggaggatgag gacaaggaag atgatttccg 600
agctcccctt tacaaaacag tggagataaa gggcatccag gtgcgcatga aatggtgtgc 660
cacctgccgc ttttaccgtc cccctcgatg ttcccactgc agtgtctgtg acaactgtgt 720
ggaggaattt gatcatcact gcccctgggt gaataactgt attggtcgcc ggaactaccg 780
ttatttttc cttttcctcc tttccctgac agcccacatt atgggtgtgt ttggctttgg 840
cctcctttat gtcctctacc acatagagga actctcaggg gtccgcacgg ctgtcacaat 900
ggcagtaatg tgtgtggctg gcttattctt catccctgta gctggcctca cgggatttca 960
cgtggttctg gtggccaggg gacgcacaac caatgaacag gttacgggta aattccgggg 1020
aggtgtgaac cccttcacca atggctgctg taacaatgtc agccgtgttc tctgcagttc 1080
tccagcaccc aggtatttgg ggagaccaaa gaaagagaag acaattgtaa tcagacctcc 1140
cttccttcga ccagaagttt cagatgggca gataactgtg aagatcatgg ataatggcat 1200
ccagggagag ctgaggagaa caaagtctaa gggaagcctg gagataacag agagccagtc 1260
tgcagatgct gaacctccac ctcctcctaa gccagacctg agccgttaca cagggttgcg 1320
aacacacctc ggcctggcta ctaatgagga tagtagctta ttggccaagg acagcccccc 1380
gacacctacc atgtacaagt atcggccggg ttacagtagc agcagtaccg tcagctgcca 1440
tgccgcattc ctccagcgcc aagttgagtc gtggggacag cttgaaggag ccaacctcaa 1500
ttgcagagag cagccgtcac cccagctacc gctcagagcc cagcttggaa ccagagagct 1560
tccgttctcc tacctttggc aaaagttttc acttcgatcc actatccagt ggctcacgct 1620
cctccagcct caagtcagcc cagggcacag gctttgagct gggccagttg caatccattc 1680
gttcagaggg caccacctcc acctcctata agagcctggc caaccagaca cgcaatggaa 1740
gcctatctta tgacagcttg ctcacacctt cagacagccc tgattttgag tcagtgcagg 1800
cagggcctga gccagaccca cctttaggct atacctctcc cttcctgtca gccaggctgg 1860
cccagcaacg ggaagctgag aggcacccac gtttggtgcc aactggccca acacaccgag 1920
agccctcacc agtccgttac gacaatctgt cgcgccacat tgtggcctct ctccaggaac 1980
gagagaagtt gctgcgccag tcacccccac tcccgggccg tgaggaagaa ccaggcttgg 2040
gggactcagg cattcagtcg acaccaggct cgggccatgc ccctcgtact agttcctcct 2100
cagatgattc aaagagatca cctttgggca agactccact gggacgccca gctgtccccc 2160
gttttggcaa gccagatggg ctaaggggcc ggggagtagg gtcccctgaa ctcaggccca 2220
acagccccat acctgggccg atcgatgtct tacagcagcc aaaaaagcca acctggtgtc 2280
tctgagacag aagaagtggc cttgcagcca ttactgacac ccaaagatga agtacagctg 2340
aagaccacct acagcaaatc caacgggcag cccaagagct taggctcagc ctcccctggc 2400
ccaggccagc cacctctcag tagccccacg aggggaggag tcaagaaggt gtcaggggtt 2460
ggtggtacca cctatgagat ttcggtgtga gccttcggca cctcccctcc ccaacgcctc 2520
tgcgcctaca ccaaagggcc ccaggtggcc accttccttc cctcaagggg ctcccctccc 2580
gtgcatggac atttttaaa ccaccgattc caagaggatg aggagtgttt tctaaaatgc 2640
agtaggcttg gggagtcgga gagttggggc cctgagactg gggtagcaac ccccccttt 2700
atcttttaag accttccctt ccttgatccc tggaccagac tcagtggaca tttgtgcaat 2760
tgctcgccct ggagggaacc agatcatttt taaaccagaa ataatttttt ttattattgt 2820
tacggattct attttttcc tcttctgcgt taccaggtgt gtgtgtacat ataatatata 2880
tatatatata ttataaatat caaagaaatt atatatctat cctgggatgg gaaaatgagg 2940
gagggataca tatacggagg gggatcttac tcttcccatt cctcagacca gcaggaaaag 3000
aggggagacg tcagtctttt tcctgtggtt ccctctcatt tgtcccagtt actaactacg 3060
ggaaatagca tcctctgctg gtgctaagtg tgattaggaa gaagcctggg gagaggcgag 3120
tctggaattt tggtcacaag agggaaggac ttggagagga gaattagttt tctaggctca 3180
ttggcattta gtttccctag gaaaggggtc aaaacttcaa gacactggtg gtggtgggag 3240

atcaggaaaa taacttggcc tagctcaaac aatattggat aatcccctcc ttgggggaga 3300
gggattagag tgtgctccta ctggcccctt ggagcctccc ctagcttaca cagttaactt 3360
gattttaaaa tccaaggcca ggagagaaga atccaaaaag caatattttt catcacatgc 3420
caaaaacggg ggatagagag aaggagtggc aggcctaggc ccctccgatt gtcccttggg 3480
ggttacccct cagcccacct cactatggtg ctgggtagag gggatacctg ggttctaacc 3540
tctaaatagg ggagatccca gcctccacaa agaggccctt ttatttttta ttctgattag 3600
ccatttaaa ccaacgagga ataaaaagaa atcctgatct aaaa 3644

<210> 7
<211> 3117
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 405313.4

<220>
<221> unsure
<222> 64, 521, 534, 547
<223> a, t, c, g, or other

<400> 7
gtccgcccgc ggtcccggcg gcgccaggtg cgttcactct gcccggctcc agccagcgtc 60
cgcngccgcc gtagctgccc caggctcccc gccccgctgc cgagatggcg acgcgctcct 120
gtcgggagaa ggctcagaag ctgaacgagc agcaccagct catcctatcc aagcttctga 180
gggaggagga caacaagtac tgcgccgact gcgaggccaa aggtcctcga tgggcttcct 240
ggaatattgg tgtgtttatt tgcatcagat gtgctggaat tcatagaaat cttggggttc 300
atatatccag ggtcaaatca gtcaacctag accaatggac agcagaacag atacagtgca 360
tgcaagatat gggaaatact aaagcaagac tactctatga agccaatctt ccagagaact 420
ttcgaagacc acagacagat caagcagtgg aatttttcat cagagataaa tatgaaaaga 480
agaaatacta cgataaaaat gccatagcta ttacaaataa ngaaaaggaa aaanaaaagg 540
aagaganaaa gagagaaaag gagccagaaa agccggcaaa accacttaca gctgaaaagc 600
tgcagaagaa agatcagcaa ctggagccta aaaaaagtac cagccctaaa aaagctgtgg 660
agcccactgt ggatctttta ggacttgatg gccctgctgt ggcaccagtg accaacggga 720
acacaacggt gccacccctg aacgatgatc tggacatctt tggaccgatg atttctaatc 780
ccttacctgc aactgtcatg cccccagctc aggggacacc ctctgcacca gcagctgcaa 840
ccctgtctac agtaacatct ggggatctag atttattcac tgagcaaact acaaaatcag 900
aagaagtggc aaagaaacaa ctttccaaag actccatctt atctctgtat ggcacaggaa 960
ccattcaaca gcaaagtact cctggtgtat ttatgggacc cacaaatata ccatttacct 1020
cacaagcacc agctgcattt cagggctttc catcgatggg cgtgcctgtg cctgcagctc 1080
ctggccttat aggaaatgtg atgggacaga gtccaagcat gatggtgggg catgcccatg 1140
ccccaatggg tttatgggaa atgcacaaac tggtgtgatg ccacttcctc agaacgttgt 1200
tggcccccaa ggaggaatgg tgggacaaat gggtgcaccc cagagtaagt ttggcctgcc 1260
gcaagctcag cagccccagt ggagcctctc acagatgaat cagcagatgg ctggcatgag 1320
tatcagtagt gcaaccccta ctgcaggttt tggccagccc tccagcacaa cagcaggatg 1380
gtctggaagc tcatcaggtc agactctcag cacacaactg tggaaatgaa aactgcaata 1440
caagtttcat ccagaactac cacctgacat tccttgctga aacgcatcta gttcccctgt 1500
ttattcatat gcatattttt tttcttttta cccatttgtt catattaaga atgatctgat 1560
tgaccgtgtt ggtctgtact gattcaattt gatgtggtga aaagcaggtt gataaatcat 1620
tttatgtcaa gggcagcttt gctcatattt cccatgattt catgtactgc attatttgag 1680
aagctgctca acttgcaaaa tcagttttcc tctcaataaa attatagctc taatgtttgc 1740
atataaggga agtagttatc atgttagtaa tacctctaat agtataaacc ccaccccaaa 1800
attagccagt aatcctgtag gaaggtactg tatgatcaaa tgtttaatca tataaataga 1860
atgtaaatgt ctcactgagc actgtttttct agtgtatcaa aatgctctta tttcatcatt 1920
cacttcactg tgctgttgtt atgatgtgct taacagggaa cgtgattagt gaaaggaaga 1980
taaacgtgga tgttactcca aaacttcgtt taatgaatgc ttaaagaatt caaattttat 2040
ctgcctctct tgtaatttgg atctcttctt aatgtacata gtgctaacat gaagaccttt 2100
ttctgcacta tatgcaaaca gggtaactaa ctaaaacaaa gccactttca atcttcaatc 2160
cttgaaggta tatctaggtt tatgacagta attgtgttta cattttatgg tgcctagtat 2220
tgacaaaatg ttatttccct acattaaaca tgactccata gacctttca tatgtgggtt 2280

tttatttcct atgatgtata ctgccactaa ccttccaaaa attacttagt attgcaaagt 2340
caggaatcat caggaacgtt tagctgacaa aatacttgtc tgttttaaaa acctgttcaa 2400
gtctaccaac ctgttcaagt ctaccaatta taagggcaaa ttggagaaaa agaaaaaata 2460
tatactcaag agtggtatct tgcagtatcg gcactgtaca aaaaaatctt ccaatttagt 2520
tgttgtagag aaaacatgca gaacaaatga agacaaaaca tacattttgt accaaccatc 2580
caattagctt atgttaactg acaagctcca tttaaacaga tgtccatcag atgacaagaa 2640
aggctgctgt actgaagtaa aacaaacaat acctgaatgc tctgtagcct aaactccaaa 2700
catcctcttc catatggatc cactggctgg acaaactgca ccagttgctg cttcaattta 2760
tacctcaatt ttcactgtgt ccaggtggta ctttggctcg ttggctagat taaccttctc 2820
tgtccgagtg tgccacacga gaacctgaag gggaaggaaa tagcttgggt agcgcactct 2880
tcatggtgac actcgaggtc gggcagcaca agtgtaatga ataccttagt gcagttattt 2940
gctttcggtt ccagttcttc gactgttgtt atctgtttga gaaagtcaga ttcttgcatc 3000
cctggctggg atccacgacg cttaaataca gcttttggat tggacaaaat gacttgaaga 3060
cttacagcaa atccctttgtg aaaaataaaa aaaaaaaaag agactttaaa aaaaaaa 3117

<210> 8
<211> 2235
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 436857.2

<220>
<221> unsure
<222> 289-319
<223> a, t, c, g, or other

<400> 8
ttcatcccgt atctgcgcgt atgagatgca ttgtctcttc ctctgcagtt gagctgaatg 60
aatacctccg aagccgcttt gttctccaga tgtgaatagc tccactatac cagcctcgtc 120
ttccttccgg gggacaacgt gggtcagggc acagagagat atttaatgtc accctcttgg 180
ggctttcatg ggactccctc tgccacattt tttggaggtt gggaaagttg ctagaggctt 240
cagaactcca gcctaatgga tcccaaactc gggagaatgg ctgcgtccnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnng cggcatgttc tcctcaccct ccccgccccc ggcgctgtta 360
gagaaagtct tccagtacat tgacctccat caggatgaat ttgtgcagac gctgaaggag 420
tgggtggcca tcgagagcga ctctgtccag cctgtgcctc gcttcagaca agagctcttc 480
agaatgatgg ccgtggctgc ggacacgctg cagcgcctgg gggcccgtgt ggcctcggtg 540
gacatgggtc ctcagcagct gcccgatggt cagagtcttc caatacctcc cgtcatcctg 600
gccgaactgg ggagcgatcc cacgaaaggc accgtgtgct tctacggcca cttggacgtg 660
cagcctgctg accggggcga tgggtggctc acggaccccc atgtgctgac ggaggtagac 720
gggaaacttt atggacgagg agcgaccgac aacaaaggcc ctgtcttggc ttggatcaat 780
gctgtgagcg ccttcagagc cctggagcaa gatcttcctg tgaatatcaa attcatcatt 840
gaggggatgg aagaggctgg ctctgttgcc ctggaggaac ttgtggaaaa agaaaaggac 900
cgattcttct ctggtgtgga ctacattgta atttcagata acctgtggat cagccaaagg 960
aagccagcaa tcacttacgg aacccggggg aacagctact tcatggtgga ggtgaaatgc 1020
agagaccagg attttcactc aggaaccttt ggtggcatcc ttcatgaacc aatggctgat 1080
ctggttgctc ttctcggtag cctggtagac tcgtctggtc atatcctggt ccctggaatc 1140
tatgatgaag tggttcctct tacagaagag gaaataaata catacaaagc catccatcta 1200
gacctagaag aataccggaa tagcagccgg gttgagaaat ttctgttcga tactaaggag 1260
gagattctaa tgcacctctg gaggtaccca tctctttcta ttcatgggat cgagggcgcg 1320
tttgatgagc ctggaactaa aacagtcata cctggccgag ttataggaaa attttcaatc 1380
cgtctagtcc ctcacatgaa tgtgtctgcg gtggaaaaac aggtgacacg acatcttgaa 1440
gatgtgttct ccaaaagaaa tagttccaac aagatggttg tttccatgac tctaggacta 1500
cacccgtgga ttgcaaatat tgatgacacc cagtatctcg cagcaaaaag agcgatcaga 1560
acagtgtttg gaacagaacc agatatgatc cgggatggat ccaccattcc aattgccaaa 1620
atgttccagg agatcgtcca caagagcgtg gtgctaattc cgctgggagc tgttgatgat 1680
ggagaacatt cgcagaatga gaaaatcaac aggtggaact acatagaggg aaccaaatta 1740
tttgctgcct ttttcttaga gatggcccag ctccattaat cacaagaacc ttctagtctg 1800
atctgatcca ctgacagatt cacctccccc acatccctag acagggatgg aatgtaaata 1860

tccagagaat ttgggtctag tatagtacat tttcccttcc atttaaaatg tcttgggata 1920
tctggatcag taataaaata tttcaaaggc acagatgttg gaaatggttt aaggtccccc 1980
actgcacacc ttcctcaagt catagctgct tgcagcaact tgatttcccc aagtcctgtg 2040
caatagcccc aggattggat tccttccaac cttttagcat atctccaacc ttgcaatttg 2100
attggcataa tcactccggt ttgctttcta ggtcctcaag tgctcgtgac acataatcat 2160
tccatccaat gatcgccttt gctttaccac tctttccttt tatcttatta ataaaaatgt 2220
tggtctccac cactg 2235

<210> 9
<211> 542
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 247285.1.j

<400> 9
cggggactga gggaagaagt gaaaatcgga ctgccaggcg acagttcctc cgtttgaaat 60
ctcgccggct cctgagcggg ccaccgggcc cgggctgggg gtctggcggg agaaataact 120
ttatttggac tgagagctgg agaatgagaa taggacctga gagtatattg ggctaaggag 180
gagaggtgtt tgagcccaga tgagtcatgg ctggacgacc cctccgcata ggagatcagc 240
tggttctgga agaagattat gatgagacct acattcctag tgagcaagaa attcttgaat 300
ttgcccggga gattggtatt gatcccatca aggaaccaga actgatgtgg ctggcgcgag 360
agggcatcgt ggccccactg cctggagagt ggaaaccatg ccaggacatc acaggtgaca 420
tttactattt caacttcgcc aacgggcagt ctatgtggga ccatccatgt gacgaacact 480
atcggagctt ggtgatccaa gagcgggcaa agctgtcaac ttctggggcc attaagaaga 540
ag 542

<210> 10
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 254510.1.j

<400> 10
cggacggcgt ggagtgactg tcccaccgcc gcgggattga cttctaaaga ctcttggtac 60
ctgaggaaga aacccggaag aggaagagga gagcaaagga gtcagggatg gctttttctc 120
agggtctatt gacattcagg gatgtggcca tagaattctc tcaggaggag tggaaatgcc 180
tggaccctgc tcagaggact ctatacagag acgtgatgct ggagaattat aggaacctgg 240
tctccctgga tacctcttcc aaatgcatga tgaagatgtt ctcatcaaca ggacaaggca 300
atacagaagt ggtccacaca gggacattgc aaatacatgc aagtcatcac attggaga 358

<210> 11
<211> 1481
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 284125.2.j

<400> 11
gtgttgcgcg actggccttg agggagagct ggggcctgct cccggagaga tacggctatg 60
tcgatcgaaa tcgaatcttc ggatgtgatc cgccttatta tgcagtactt gaaggagaac 120
agtttacatc gggcgttagc caccttgcag gaggagacta ctgtgtctct gaatactgtg 180
gacagcattg agagttttgt ggctgacatt aacagtggcc attgggatac tgtgttgcag 240
gctatacagt ctctgaaatt gccagacaaa accctcattg acctctatga acaggttgtt 300

ctggaattga tagagctccg tgaattgggt gctgccaggt cacttttgag acagactgat 360
cccatgatca tgttaaaaca aacacagcca gagcgatata ttcatctgga gaacctttg 420
gccaggtctt actttgatcc tcgtgaggca tacccagatg gaagtagcaa agaaaagaga 480
agagcagcaa ttgcccaggc cttagctggc gaagtcagtg tggtgcctcc atctcgtctc 540
atggcattgc tgggacaggc actgaagtgg cagcagcatc agggattgct tcctcctggt 600
atgaccatag atttgtttcg aggcaaggca gctgtcaaag atgtggaaga agaaaagttt 660
cctacacaac tgagcaggca tattaagttt ggtcagaaat cacatgtgga gtgtgctcga 720
ttttctccag atggtcagta tttggtcact gggtctgttg atggattcat tgaagtatgg 780
aactttacta ctggaaaaat cagaaaggat cttaagtacc aggcccaaga taactttatg 840
atgatggatg atgctgtcct ctgcatgtgt ttcagcagag atacagaaat gttagcaact 900
ggggcccaag atggaaaaat caaggtgtgg aagattcaga gtggacaatg tttaaggaga 960
tttgagaggg cacacagtaa gggtgtcacc tgtctaagct tttctaagga tagcagtcag 1020
atccttagtg cttcttttga ccagacaatt agaattcatg gtttaaaatc tgggaaaacc 1080
ctgaaggaat ttcgtggcca ttcctccttt gttaacgaag caacatttac acaagatgga 1140
cattacatta ttagtgcatc ctctgatggc actgtaaaga tctggaatat gaagaccaca 1200
gaatgttcaa atacctttaa atccctgggc agcaccgcag ggaccagata ttaccgtcaa 1260
cagtgtgatt ctacttccta aaaaccctga gcactttgtg gtgtgcaaca gatcaaacac 1320
ggtggtcatc atgaacatgc aggggcagat tgtcagaagc ttcagttctg gtaaaagaga 1380
aggtggggac tttgtttgct gtgccctctc tccccgtggt gaatggatct actgtgtagg 1440
ggaggacttt gtgctctact gtttcagtac agtcactggc a 1481

<210> 12
<211> 2439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 331554.4.j

<220>
<221> unsure
<222> 7, 19, 41, 624, 1062
<223> a, t, c, g, or other

<400> 12
ccggatntta gtgtcagang cgcccccagc cgggcgggcg nctcagccat ggccctgcgc 60
aaggaactgc tcaagtccat ctggtacgcc tttaccgcgc tggacgtgga gaagagtggc 120
aaagtctcca agtcccagct caaggtgctg tcccacaacc tgtacacggt cctgcacatc 180
ccccatgacc ccgtggccct ggaggaacac ttccgagatg atgatgacgg ccctgtgtcc 240
agccagggat acatgcccta cctcaacaag tacatcctgg acaaggtgga ggaggggct 300
tttgttaaag agcactttga tgagctgtgc tggacgctga cggccaagaa gaactatcgg 360
gcagatagca acgggaacag tatgctctcc aatcaggatg ccttccgcct ctggtgcctc 420
ttcaacttcc tgtctgagga caagtaccct ctgatcatgg ttcctgatga ggtggaatac 480
ctgctgaaaa aggtactcag cagcatgagc ttggaggtga gcttgggtga gctggaggag 540
cttctggccc aggaggccca ggtggcccag accaccgggg ggctcagcgt ctggcagttc 600
ctggagctct tcaattcggg ccgntgcctg cggggcgtgg gccgggacaa cctcagcatg 660
gccatccacg aggtctacca ggagctcatc caagatgtcc tgaagcaggg ctacctgtgg 720
aagcgagggc acctgagaag gaactgggcc gaacgctggt tccagctgca gcccagctgc 780
ctctggctac tttgggagtg aagagtgcaa agagaaaagg ggcattatcc cgctggatgc 840
acactgctgc gtggaggtgc tgccagaccg cgacggaaag cgctgcatgt tctgtgtgaa 900
gacagccacc cgcacgtatg agatgagcgc ctcagacacg cgccaggcca ggagtggaca 960
gctgccatcc agatggcgat ccggctgcag gccgagggga agacgtccct acacaaggac 1020
ctgaagcaga aacggcgcga gcagcgggag cagcgggagc gncgccgggc ggccaaggaa 1080
gaggagctgc tgcggctgca gcactgcagg aggagaagga gcggaagtgc aggagctgga 1140
gctgctgcag gaggcgcacg gcaggccgag cggctgctgc aggaggagga ggaacggcgc 1200
cgcagccagc accgcgagct gcagcaggcg ctcgagggcc aactgcgcga ggcggagcag 1260
gcccgggcct ccatgcaggc tgagatggag ctgaaggagg aggaggctgc ccggcagcgg 1320
cagcgcattc aaggagctgg aggatatgca gcagcggttg caggaggccc tgcaactaga 1380
ggtgaaagct cggcgagatg aagaatctgt gcgaatcgct cagaccagac tgctggaaga 1440
ggaggaagag aagctgaagc agttgatgca gctgaaggag gagcaggagc gctacatcga 1500

acgggcgcac aggagaagga agagctgcag caggagatgg cacagcagag ccgctccctg 1560
cagcaggccc agcagcagct ggaggaggtg cggcagaacc ggcagagggc tgacgaggat 1620
gtggaggctg cccagagaaa actgcgccag gccagcacca acgtgaaaca ctggaatgtc 1680
cagatgaacc ggctgatgca tccaattgag cctggagata agcgtccggt caccagcagc 1740
tccttctcag gcttccagcc ccctctgctt gcccaccgtg actcctccct aaagcgcctg 1800
acccgctggg gatcccaggg caacaggacc ccctgcgccc aacagcaatg agcagcagaa 1860
gtccctcaat ggtggggatg aggctcctgc cccggcttcc acccctcagg aagataaact 1920
ggatccagca ccagaaaatt agcctctctt agccccttgt tcttcccaat gtcatatcca 1980
ccaggacctg gccacagctg gcctgtgggt gatcccagct cttactagga gagggagctg 2040
aggtcctggt gccaggggcc caggccctcc aaccataaac agtccaggat ggaacctggt 2100
tcacccttca taccagctcc aagccccaga ccatgggagc tgtctgggat gttgatcctt 2160
gagaacttgg ccctgtgctt tagacccaag gacccgattc ctgggctagg aaagagagaa 2220
caagcaagcc ggggctacct gccccaggt ggccaccaag ttgtggaagc acatttctaa 2280
ataaaaactg ctcttagaat gaattattgg ctcaggtctg tccatctctc ctgccatttc 2340
ctcccttcct ccctcaagcc ccgttatagg ttccaaagag cagtaaaagt ataataaagt 2400
ggttaagaaa gaccctgcag ctagactgcc tgggttctg 2439

<210> 13
<211> 1307
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 331642.1.j

<220>
<221> unsure
<222> 891
<223> a, t, c, g, or other

<400> 13
ccggctcgct agccgtcctg cgggacgccg gcgctgatgg gttggggaaa tggacgcctg 60
gagaacggaa atccagttat caaaattgac tcaagaagag agaacctaac agaacaataa 120
caatggaaga aattgggaac attatcacaa agctatcatc ctgccaaact ccaggctcag 180
atgtcacagg ttaaaaaaaa gtccttcatg aaaaagaaag atcttaagca gcatgatgga 240
ttcagaagct catgaaaaga ggccaccaat actaacatct tcaaaacacg atatatcacc 300
tcatattaca aatgttggtg agatgaagca ttacttgtgt ggctgctgcg ccgtatcgaa 360
caacatcgca atcacatatc ccattcagaa ggtcctcttt cgacaacagc tgtatggcat 420
caaaacccgg gatgcaatac ttcagttgag aagggatgga tttcgaaatt tgtatcgtgg 480
aatccttccc ccattgatgc agaagacaac tacgcttgca cttatgtttg gtctgtatga 540
ggatttatcc tgccttctcc acaagcatgt cagtgctcca gagtttgcaa ccagtggcgt 600
ggcggcagtg cttgcaggga caacagaagc aattttcact ccactggaaa gagttcagac 660
attgcttcaa gaccacaagc atcatgacaa atttaccaac acttaccagg ctttcaaggc 720
actgaaatgt catggaattg gagagtatta tcgaggttgg tgcccattct tttccggaat 780
ggactcagca atgtcttgtt tttcggcttc gaggtcccat taaggagcat ctgcctaccg 840
caacgactca cagtgctcat ctggtcaatg attttatctg tggaggtcta ntgggtgcca 900
tgttgggatt cttgtttttt ccaattaatg ttgtaaaaac tcgcatacag tctcagattg 960
gtggggaatt tcagtctttc cccaaggttt tccaaaaaat ctggctggaa cgggacagaa 1020
aactgataaa tcttttcaga ggtgcccatc tgaattacca tcggtccctc atctcttggg 1080
gcataatcaa tgcaacttat gagttcttgt taaaggttat atgaaaaaac catcagttaa 1140
gtgccattta tcaactgaat agaccttcta agaagaatgc agtttggcct ctttcttagt 1200
tggccaaata caagttggtg tcataactcc aggccacagt gagttatggg caaagctgtt 1260
ttgcttaagc ctcaataaaa cagaataaaa gattccaata ggaaaat 1307

<210> 14
<211> 303
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<223> Incyte ID No: 445594.2.j

<220>
<221> unsure
<222> 184
<223> a, t, c, g, or other

<400> 14
gcgctctcgg cccacacaat atgacctcgg ggaggatgcg aggaagatga actgtgatga 60
tccacttctt cttaatgaat gactgactta cctgagaaag aaactcagag gaagaggaaa 120
gaaagaagag gagggaatgg ctctttctca gggactgttt acattcaagg atgtggccat 180
aganttctct caagaggagt gggagtgcct ggaccctgcc cagagggcct tgtacaggga 240
cgtgatgttg gagaactaca ggaacctgct ttctctcgat gaggataaca tccctccaga 300
aga 303